

# EXPLORER Mobile Earth Stations



## EXPLORER Mobile Earth Stations

A flexible family of mobile earth stations configured from pre-engineered components for reliable, cost-effective communications on the move.

### Key Benefits:

- Mobile broadband, voice and video connectivity
- Quick deployment and easy operation
- Secure communications

### Applications:

- Military/Government
- Disaster recovery
- News gathering

**Explorer earth stations  
are a mix of high  
performance and  
affordable cost**

Explorer mobile earth stations are custom-configured for each customer's requirements on a set of pre-engineered "building block" components proven through mission-critical service in the field. The result is the perfect mix of high performance and affordable cost. Explorer mobile earth stations with integrated electronics (L, C, Ku and X-band) are suited for a wide range of military, institutional, news gathering, enterprise, disaster recovery and other applications.

Explorer earth stations are available in sizes ranging from sub-meter up to 4 meters. Depending on your requirements, they can be configured as vehicle-mounted, trailer-mounted, transportable or fly-away terminals. Whatever the configuration, they provide cost-effective, two-way communications in locations where traditional telecom infrastructure is inadequate or nonexistent. As a Cisco Partner, Globecommm Systems also offers proven "satellite-optimized" solutions for Internet working, including Voice over IP, Quality of Service, Bandwidth-on-demand, exportable and higher level encryption, internal; firewalls, IP Video and LAN-to-LAN communications.

## Inmarsat

Broadband Global Area Network (BGAN) service offers highly mobile voice and data access anywhere in the world. BGAN service offers you the world's first voice and broadband data mobile communications service accessible anywhere on the planet.

Delivered via a highly portable, easy-to-use device, it is also the first mobile service to offer guaranteed data rates on demand. Use Inmarsat BGAN service to extend the boundaries of the broadband mobile office that 3G cellular services are only starting to deliver.



## Vehicle-Mounted Terminals

Explorer Vehicle-Mounted Terminals can be configured for single or multi-band operation on X-band military and C and Ku-band commercial satellites. The product design takes advantage of the latest proven developments in antenna, RF and system management technology, using a modular approach which allows the system to be tailored to meet the user's specific needs and cost objectives. The terminals are Tactical-Capable yet take advantage of the cost savings inherent in the COTS methodology of specifying and manufacturing telecom equipment. The rapidly deployable terminal is available with a choice of High-Power Amplifiers, either multi or single-band TWTA's, each with various power level options.



## Trailer-Mounted Terminals

Explorer Trailer-Mounted Terminals are available in a wide range of trailer bodies and earth stations ranging from 1.8 meters to 3.9 meters. They are all designed to provide reliable onsite services in the most demanding applications of voice and data networks. Used as a primary earth station or mobile remote hub, Explorer Trailer-Mounted Terminals are used for disaster recovery and first-responder support, special events, mobile backhaul and government/military secure communications.

## Transportable and Fly-Away Terminals

Explorer Transportable and Fly-Away Terminals are compact, self-contained systems packaged in two or three suitcases that meet the requirements for airline cabin baggage as well as those of international and regional satellite operators. They are suited for tactical support military and peacekeeping forces; for remote access to networks; telemedicine applications; remote distance learning; remote Internet access; or any other application where reliable, remote, rapidly deployed operation is essential. They are also the systems of choice for the rapid restoration of telecommunication applications interrupted by the failure or destruction of primary systems. They can provide connectivity up to 8.2 Mbps or more, depending on the distant end antenna size and link parameters, to support voice, fax, data, and video applications between domestic and international locations.

### Auto-Explorer Transportable Terminals

The Auto-Explorer 0.77/1.2M Transportable Terminals are auto-acquisition satellite antennas that locate the appropriate satellite, align themselves for operation and log themselves onto the network with the push of a button. All Auto-Explorer systems are IP-enabled to accept optional routers and IP satellite optimized solutions.



### Explorer Transportable Terminals

Explorer Transportables are manual-acquisition antennas that can quickly be put into operation by technically-trained staff. They are available in both fly-away and fly-and-drive configurations for a wide range of C, Ku and X-band, as well as multi-band, applications.





**24/7 Network Monitoring  
Operations & Help Desk**

## Lifecycle Support Services

Our teams of certified VSAT technicians provide worldwide field support services. As part of Globecommm's commitment to the VSAT market, our "On the ground" support team provides:

- Site Surveys
- VSAT Installation
- Service Commissioning
- On-site training
- Hands-on Trouble Shooting and Repair
- Preventative & Corrective Maintenance Support



**Global Installation &  
Maintenance Services**

Escalated globally from our 24/7 Support Center, our team is ready at a moments' notice to provide our service anywhere around the world. We also guarantee service level supports for mission critical networks.

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## About Globecommm

Globecommm provides end-to-end managed services to meet the communications needs of organizations around the world. We offer a wide range of hosted and managed communications services that leverage our global transmission capacity and our network of data center, content management and switching facilities. Our expert teams can also advise you on the best ways to meet your critical communications needs. We can engineer and integrate individual systems or complex networks, and then support them through the lifecycle. Our engineering expertise has also produced a wide range of satellite terminal products ready for quick and cost-effective deployment. We specialize in providing total solutions that free you to focus on your core mission - whether it is telecommunications, broadcasting, retailing, serving constituents, maintaining security or projecting force. We deliver systems and services anywhere in the world, under any conditions. From secure military applications in a war zone to a hybrid terrestrial-satellite network under tight cost and schedule constraints, our worldwide team gets it done. Our company was founded by engineers and our services and systems are supported by one of the industry's largest in-house engineering staffs.

When we build components and products into our systems, you can count on the fact that we have tested them exhaustively for reliability, compatibility and suitability to your requirements. Our work with suppliers often results in substantial improvements to the products they provide us. And it permits us to make a vital commitment to our customers: that the solution we provide will work - with no excuses, no finger-pointing - no matter what.



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